

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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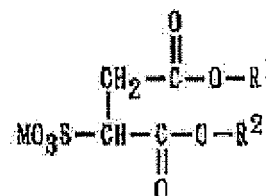
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INVENTOR : AOKI SACHIKO;

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TITLE : DETERGENT COMPOSITION FOR  
WATER CLOSET



ABSTRACT : PURPOSE: To produce a detergent composition having excellent cleaning performance and durability and exhibiting excellent water closet cleaning action simply by placing in a water-storage tank by compounding a sulfosuccinic acid diester with a water-soluble polymer having a specific molecular weight.

CONSTITUTION: This detergent composition is produced by compounding (A) a sulfosuccinic acid diester of formula [R<sup>1</sup> and R<sup>2</sup> are each a 4-15C alkyl or an alkenyl; M is H, an alkali metal, an alkaline earth metal or an amine] or its salt (preferably dioctyl sulfosuccinate sodium salt, etc.) with (B) a water-soluble polymer having a molecular weight of ≥100,000 (preferably a crosslinked polyacrylic acid having a molecular weight of 1,000,000-5,000,000). The amounts of the components A and B are preferably 40-90wt.% and 1-15wt.%, respectively, and the weight ratio of A/B is 3-100. The uniformity of the composition is further improved by adding 10-25wt.% of a water-soluble organic solvent having an HLB of ≥7 to the composition. The organic solvent is preferably a (poly) alkylene glycol monoalkyl ether.

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